

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-023231**Date Inspected:** 02-May-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Jobsite**CWI Name:** John Pagliero**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** SAS OBG**Summary of Items Observed:**

Quality Assurance inspector (QA) Douglas Frey was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

1. 10E 11E E1 (Inside)
2. 9W 10W D (outside)
3. 9W 10W PP63 W2 Diverter Bars

1. 10E 11E E1 (Inside)

The QA Inspector randomly observed ABF welding operators Song Tao Huang and Jin Quan Huang performing Flux Core Arc Welding w/gas (FCAW-G) operations on face D outside of the OBG. The QA Inspector observed the QC inspector Jesse Cayabyab as being present in order to monitor the progress and ensure the welding parameters were within the established WPS. The work progressed throughout the QA Inspector's shift. The QA Inspector noted that the work was in progress and appeared to be in general conformance with the contract documents.

2. 9W 10W D (outside)

The QA Inspector noted and periodically observed ABF welding operators Rory Hogan and Jeremy Dolman performing Flux Core Arc Welding w/gas (FCAW-G) operations on face D outside of the OBG. The QA Inspector

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

observed the QC inspector Fred Von Hoff as being present in order to monitor the progress and ensure the welding parameters were within the established WPS. The work progressed throughout the QA Inspector's shift. Upon completion the QA Inspector noted that the work appeared to be in general conformance with the contract documents.

### 3. 7W 8W PP63 W2 Diverter Bar

The QA Inspector periodically monitored the in process SMAW of a 780mm Diverter Bar in the 1G Flat position performed by ABF Welder Jorge Lopez. The QA Inspector observed the QC inspector Steve McConnell as being present in order to monitor the progress and ensure the welding parameters were within the established WPS. The work progressed throughout the QA Inspector's shift. The QA Inspector noted that the work appeared to be progressing in general conformance with the contract documents.

#### Summary of Conversations:

As noted above



#### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Nina Choy 510-385-5910, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	Frey,Doug	Quality Assurance Inspector
<b>Reviewed By:</b>	Levell,Bill	QA Reviewer

---